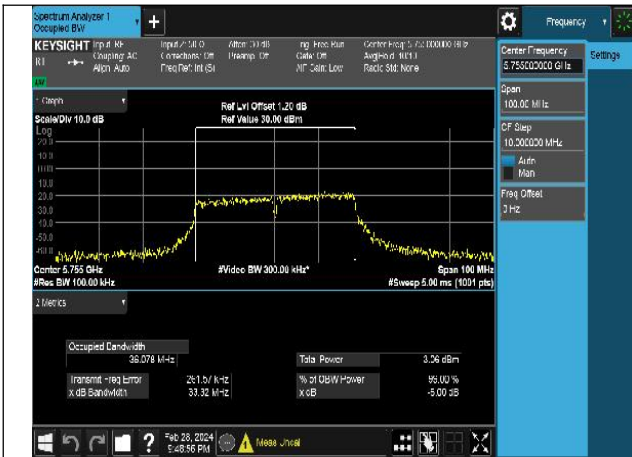


Test Mode: 802.11ac VHT40



Test Mode: 802.11ax HE40





Test Mode: 802.11ac VHT80



Test Mode: 802.11ax HE80



Transmitter Power Spectral Density

Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Tones	5745MHz		5785MHz		5825MHz	
			Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)
802.11a	Chain0	NA	0.00	-2.701	0.00	-2.226	0.00	-1.168
802.11a	Chain1	NA	0.00	-4.022	0.00	-2.565	0.00	-1.874
802.11n HT20	Chain0	NA	0.00	-3.064	0.00	-2.621	0.00	-2.018
802.11n HT20	Chain1	NA	0.00	-4.775	0.00	-3.554	0.00	-2.375
802.11n HT20	MIMO	NA	0.00	-0.825	0.00	-0.052	0.00	0.817
802.11ac VHT20	Chain0	NA	0.00	-3.295	0.00	-2.997	0.00	-1.435
802.11ac VHT20	Chain1	NA	0.00	-4.836	0.00	-2.832	0.00	-2.480
802.11ac VHT20	MIMO	NA	0.00	-0.987	0.00	0.097	0.00	1.084
802.11ax HE20	Chain0	26T	0.00	2.602	0.00	4.818	0.00	5.809
802.11ax HE20	Chain1	26T	0.00	3.212	0.00	4.624	0.00	5.208
802.11ax HE20	MIMO	26T	0.00	5.928	0.00	7.732	0.00	8.529
802.11ax HE20	Chain0	52T	0.00	0.237	0.00	2.263	0.00	3.109
802.11ax HE20	Chain1	52T	0.00	-0.092	0.00	1.651	0.00	2.248
802.11ax HE20	MIMO	52T	0.00	3.086	0.00	4.978	0.00	5.710
802.11ax HE20	Chain0	106T	0.00	-2.698	0.00	-1.374	0.00	-0.366
802.11ax HE20	Chain1	106T	0.00	-3.617	0.00	-2.535	0.00	-0.888
802.11ax HE20	MIMO	106T	0.00	-0.123	0.00	1.094	0.00	2.391
802.11ax HE20	Chain0	242T	0.00	-6.184	0.00	-6.284	0.00	-4.827
802.11ax HE20	Chain1	242T	0.00	-8.516	0.00	-7.311	0.00	-6.221
802.11ax HE20	MIMO	242T	0.00	-4.185	0.00	-3.757	0.00	-2.458

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

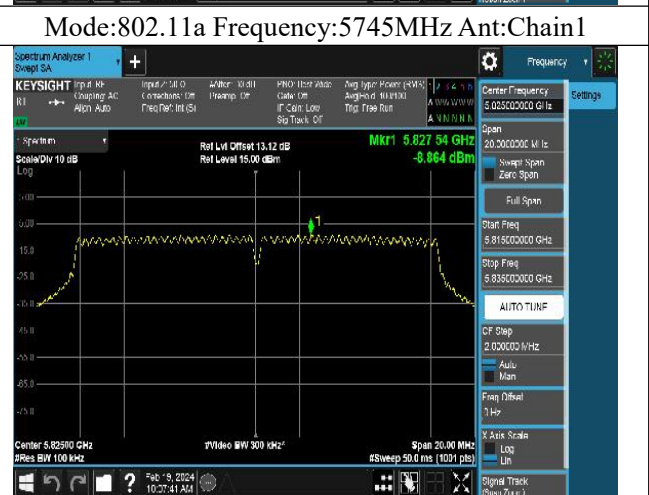
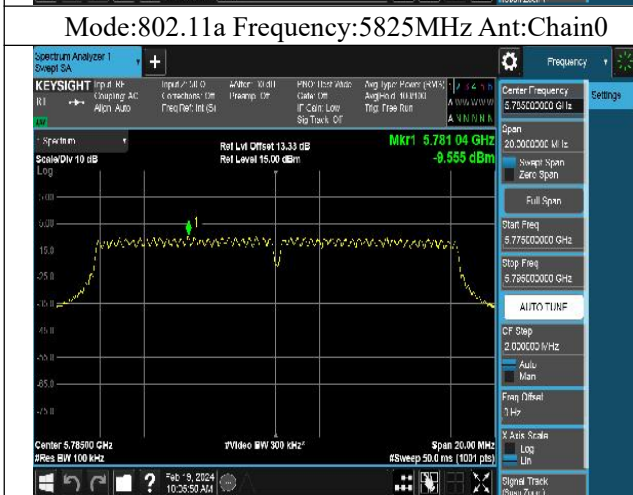
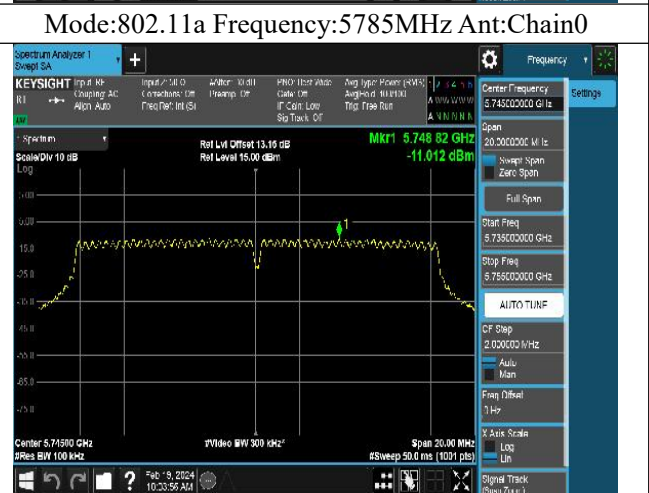
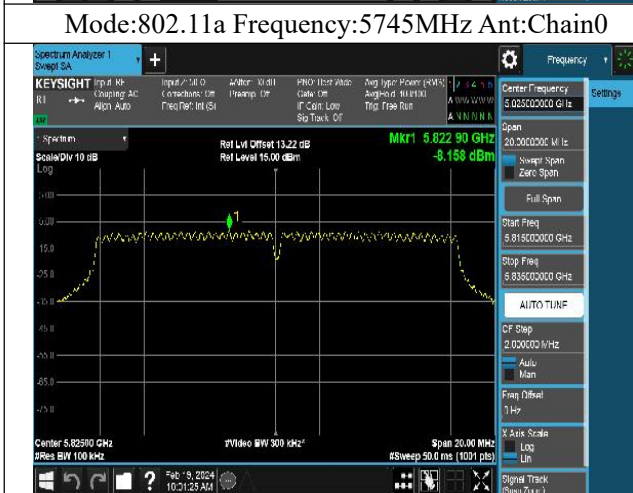
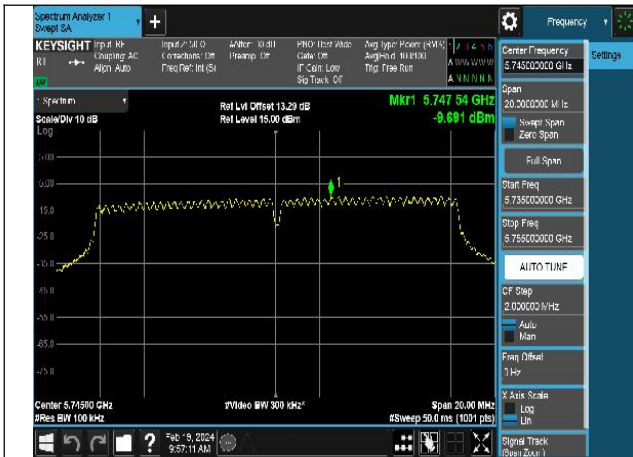
Test Mode	Antenna	Tones	5755MHz		---		5795MHz	
			Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)
802.11n HT40	Chain0	NA	0.00	-5.207	---	---	0.00	-7.326
802.11n HT40	Chain1	NA	0.00	-9.088	---	---	0.00	-7.195
802.11n HT40	MIMO	NA	0.00	-3.717	---	---	0.00	-4.250
802.11ac VHT40	Chain0	NA	0.00	-5.858	---	---	0.00	-5.858
802.11ac VHT40	Chain1	NA	0.00	-7.769	---	---	0.00	-6.789
802.11ac VHT40	MIMO	NA	0.00	-3.699	---	---	0.00	-3.288
802.11ax HE40	Chain0	26T	0.00	1.897	---	---	0.00	5.874
802.11ax HE40	Chain1	26T	0.00	4.412	---	---	0.00	5.159
802.11ax HE40	MIMO	26T	0.00	6.344	---	---	0.00	8.541
802.11ax HE40	Chain0	52T	0.00	-0.890	---	---	0.00	3.179
802.11ax HE40	Chain1	52T	0.00	1.516	---	---	0.00	2.993
802.11ax HE40	MIMO	52T	0.00	3.488	---	---	0.00	6.097
802.11ax HE40	Chain0	106T	0.00	-4.861	---	---	0.00	-1.034
802.11ax HE40	Chain1	106T	0.00	-3.287	---	---	0.00	-2.333
802.11ax HE40	MIMO	106T	0.00	-0.993	---	---	0.00	1.375
802.11ax HE40	Chain0	242T	0.00	-8.433	---	---	0.00	-6.105
802.11ax HE40	Chain1	242T	0.00	-8.480	---	---	0.00	-6.885
802.11ax HE40	MIMO	242T	0.00	-5.446	---	---	0.00	-3.467
802.11ax HE40	Chain0	484T	0.00	-8.162	---	---	0.00	-9.842
802.11ax HE40	Chain1	484T	0.00	-11.276	---	---	0.00	-9.868
802.11ax HE40	MIMO	484T	0.00	-6.435	---	---	0.00	-6.845

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

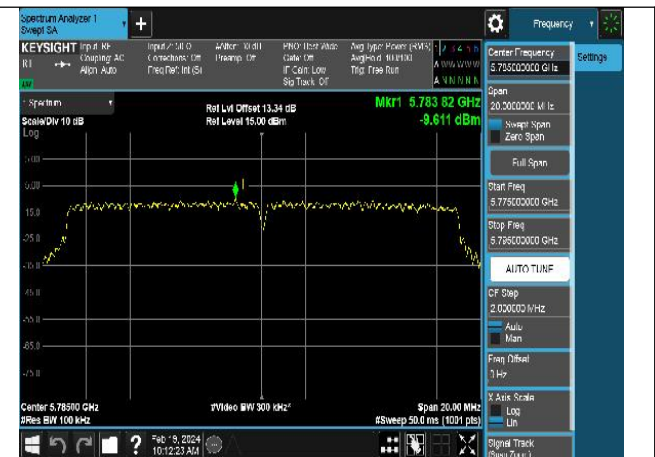
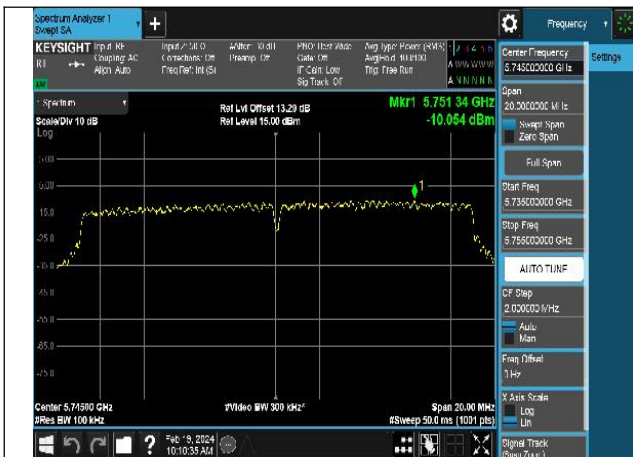
Test Mode	Antenna	Tones	5775MHz		---		---	
			Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)	Correction Factor (dB)	Power Density (dBm/500KHz)
802.11ac VHT80	Chain0	NA	0.00	-10.384	---	---	---	---
802.11ac VHT80	Chain1	NA	0.00	-13.116	---	---	---	---
802.11ac VHT80	MIMO	NA	0.00	-8.528	---	---	---	---
802.11ax HE80	Chain0	26T	0.00	5.615	---	---	---	---
802.11ax HE80	Chain1	26T	0.00	5.910	---	---	---	---
802.11ax HE80	MIMO	26T	0.00	8.775	---	---	---	---
802.11ax HE80	Chain0	52T	0.00	3.413	---	---	---	---
802.11ax HE80	Chain1	52T	0.00	2.279	---	---	---	---
802.11ax HE80	MIMO	52T	0.00	5.893	---	---	---	---
802.11ax HE80	Chain0	106T	0.00	-1.859	---	---	---	---
802.11ax HE80	Chain1	106T	0.00	-1.705	---	---	---	---
802.11ax HE80	MIMO	106T	0.00	1.229	---	---	---	---
802.11ax HE80	Chain0	242T	0.00	-6.701	---	---	---	---
802.11ax HE80	Chain1	242T	0.00	-6.406	---	---	---	---
802.11ax HE80	MIMO	242T	0.00	-3.541	---	---	---	---
802.11ax HE80	Chain0	484T	0.00	-11.572	---	---	---	---
802.11ax HE80	Chain1	484T	0.00	-11.450	---	---	---	---
802.11ax HE80	MIMO	484T	0.00	-8.500	---	---	---	---
802.11ax HE80	Chain0	996T	0.00	-10.675	---	---	---	---
802.11ax HE80	Chain1	996T	0.00	-14.013	---	---	---	---
802.11ax HE80	MIMO	996T	0.00	-9.021	---	---	---	---

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

Test Mode: 802.11a



Test Mode: 802.11n HT20



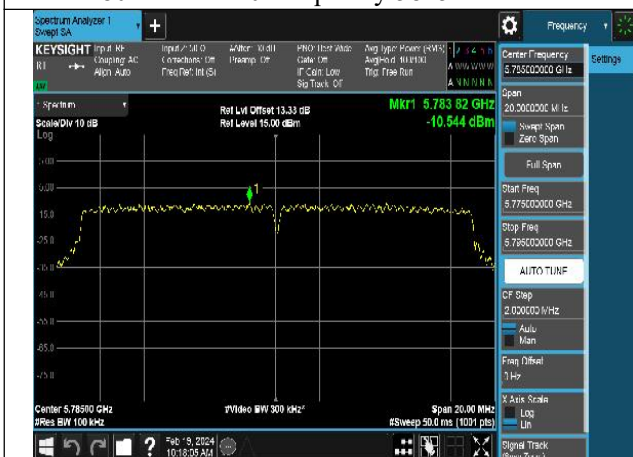
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain0

Mode:802.11n HT20 Frequency:5785MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5825MHz Ant:Chain0

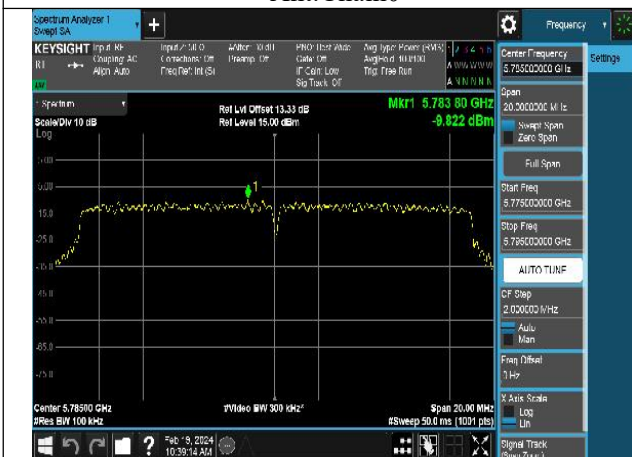
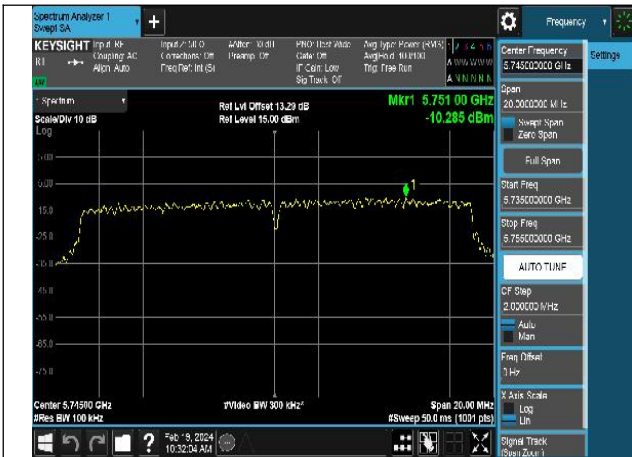
Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1



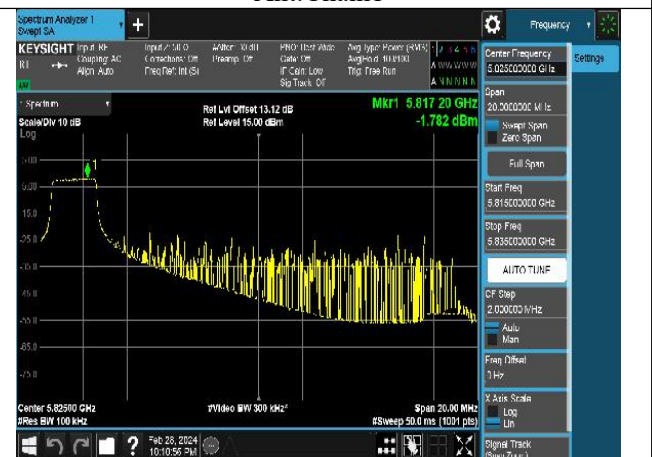
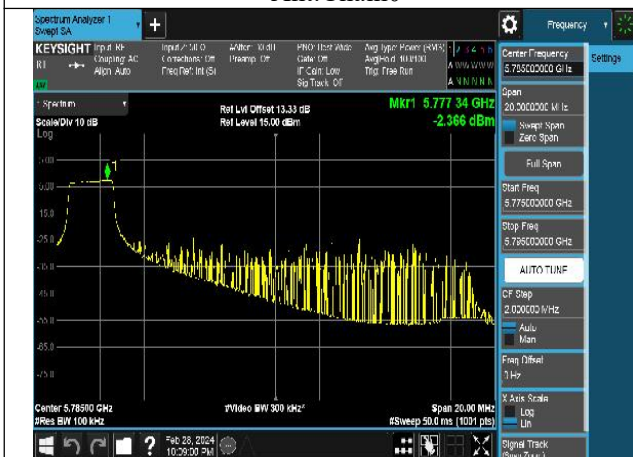
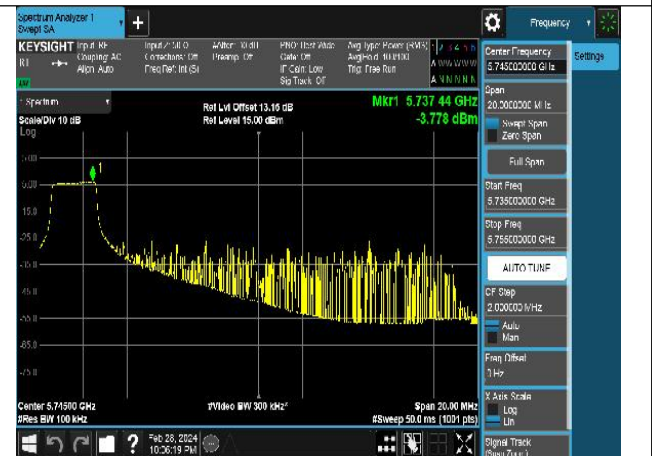
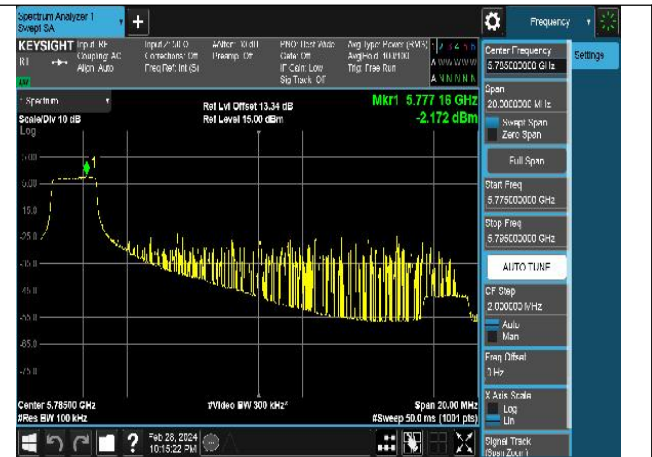
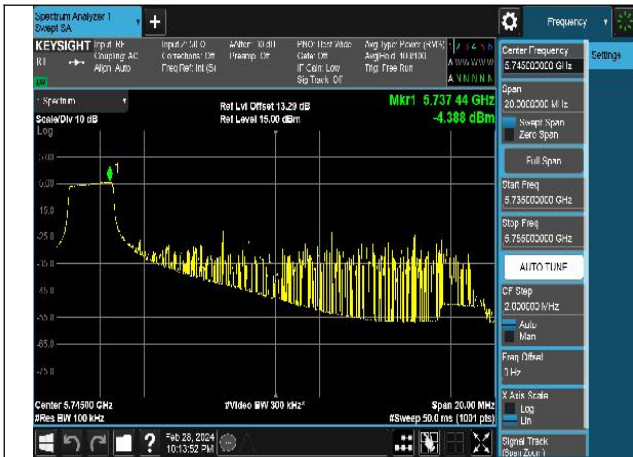
Mode:802.11n HT20 Frequency:5785MHz Ant:Chain1

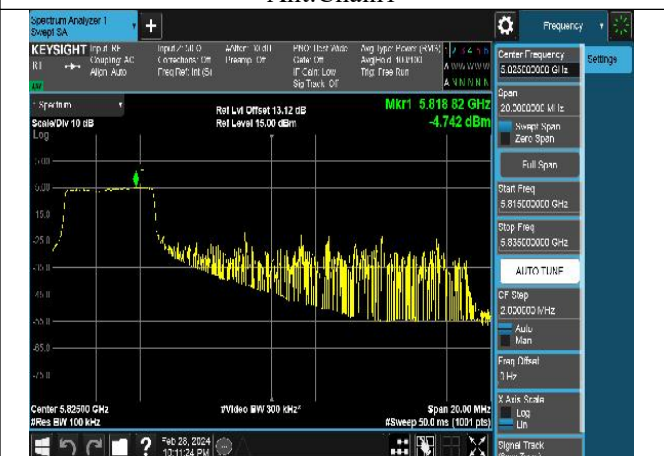
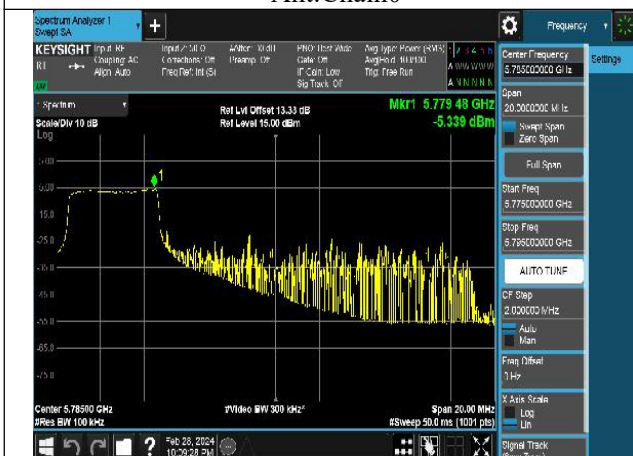
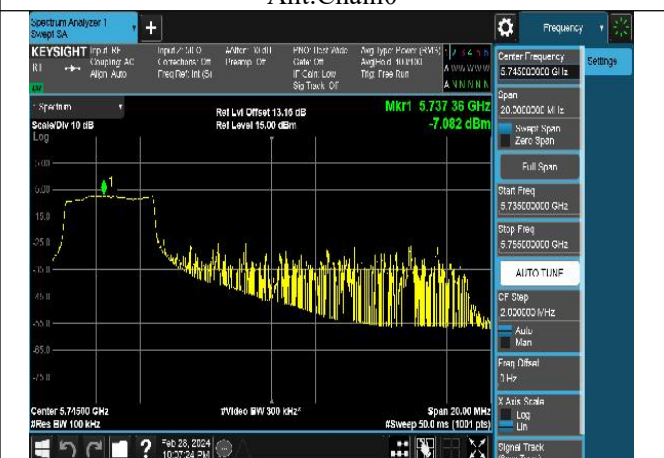
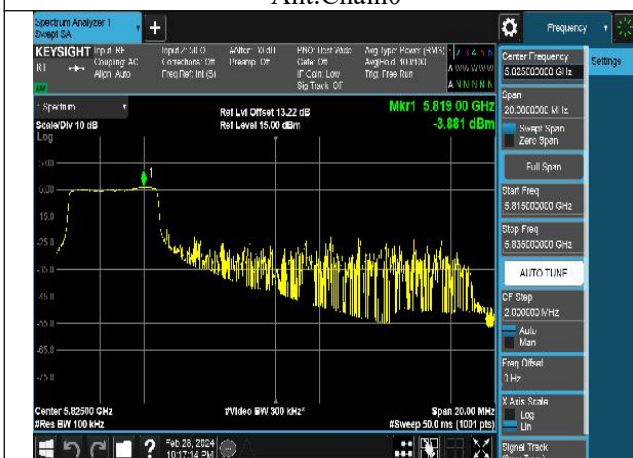
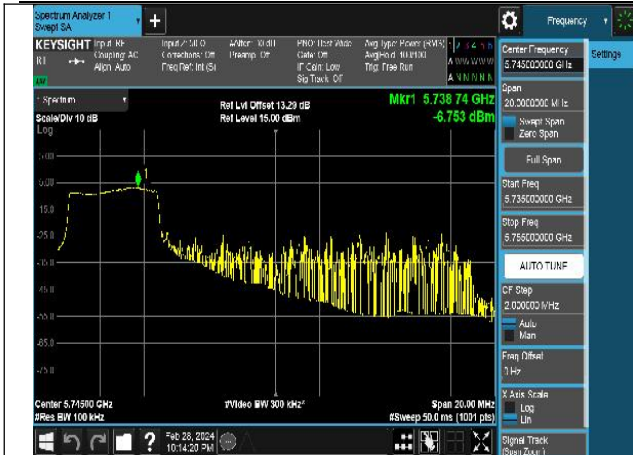
Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

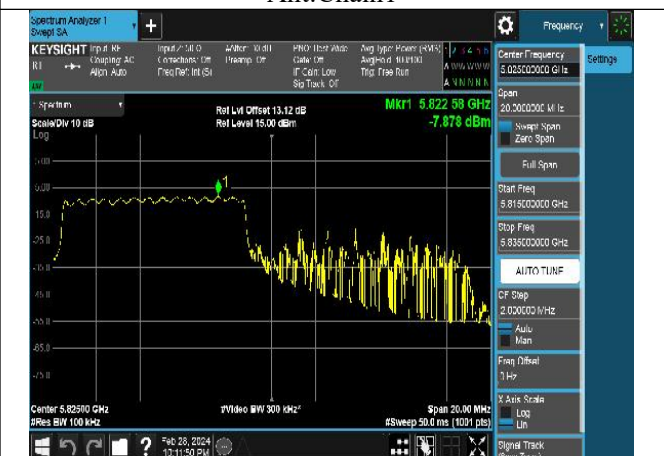
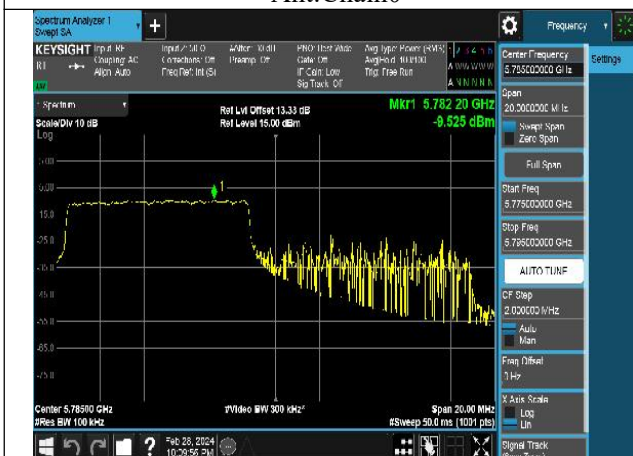
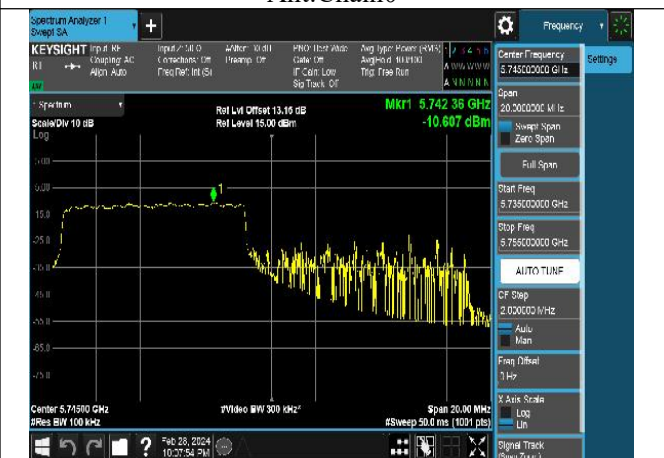
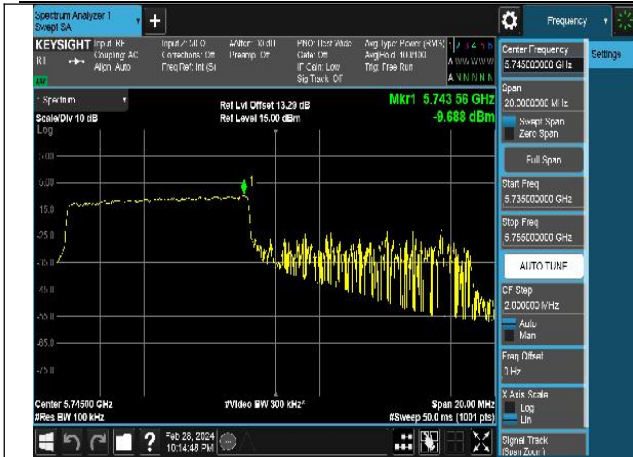
Test Mode: 802.11ac VHT20

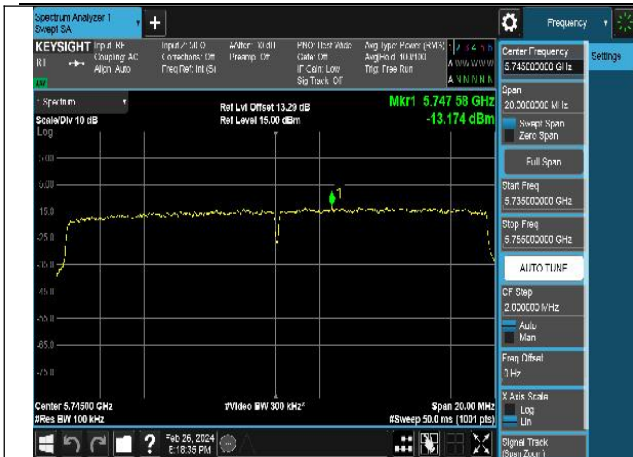


Test Mode: 802.11ax HE20

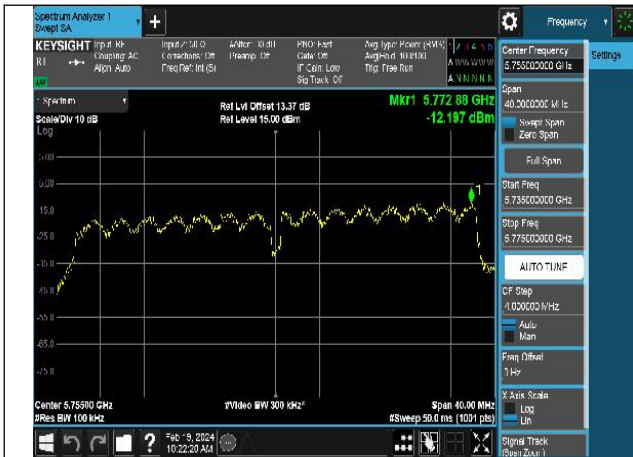




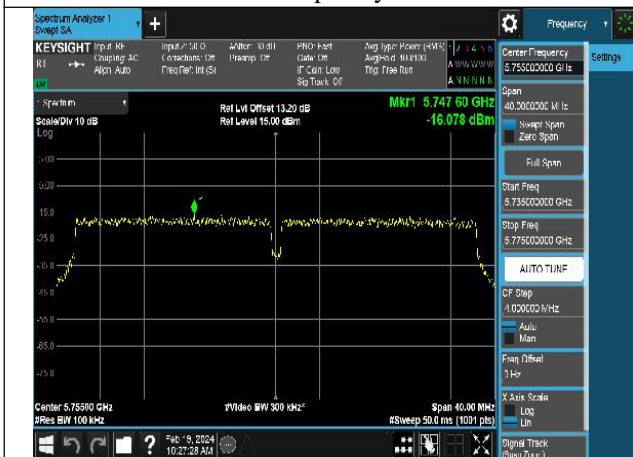




Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5755MHz Ant:Chain0



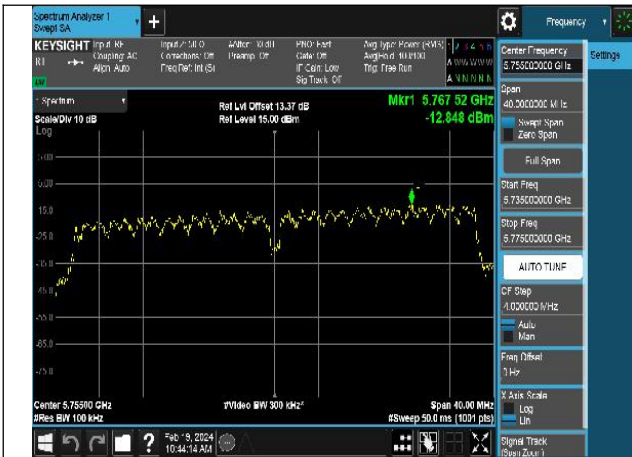
Mode:802.11n HT40 Frequency:5795MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5755MHz Ant:Chain1

Mode:802.11n HT40 Frequency:5795MHz Ant:Chain1

Test Mode: 802.11ac VHT40



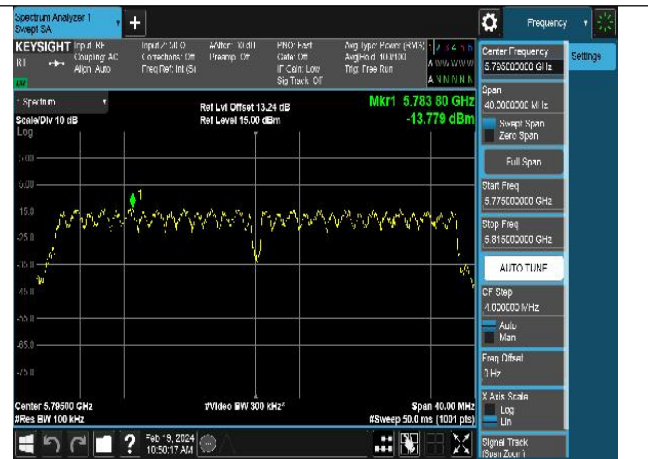
Mode:802.11ac VHT40 Frequency:5755MHz
Ant:Chain0



Mode:802.11ac VHT40 Frequency:5795MHz
Ant:Chain0

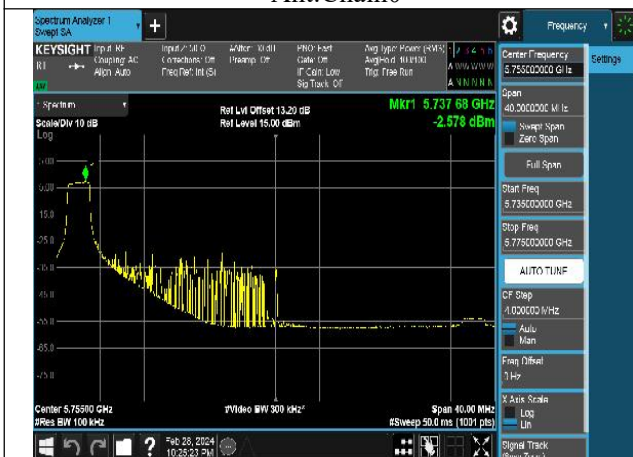
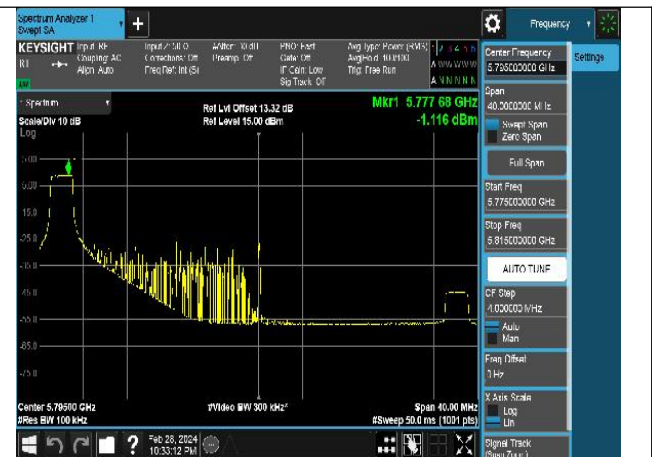
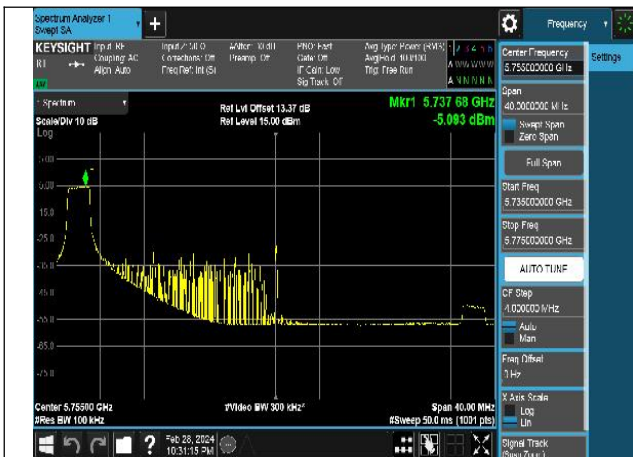


Mode:802.11ac VHT40 Frequency:5755MHz
Ant:Chain1

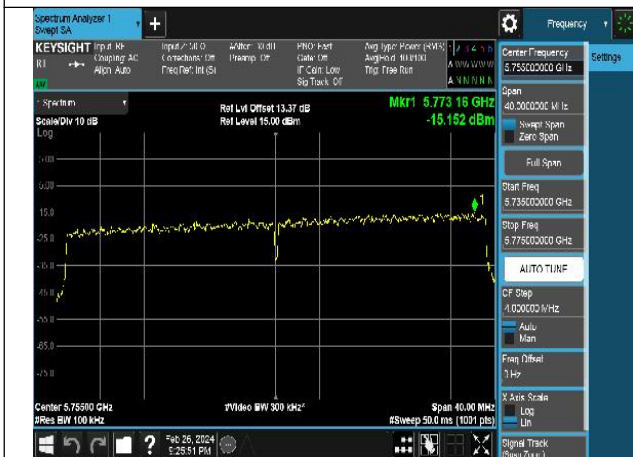


Mode:802.11ac VHT40 Frequency:5795MHz
Ant:Chain1

Test Mode: 802.11ax HE40







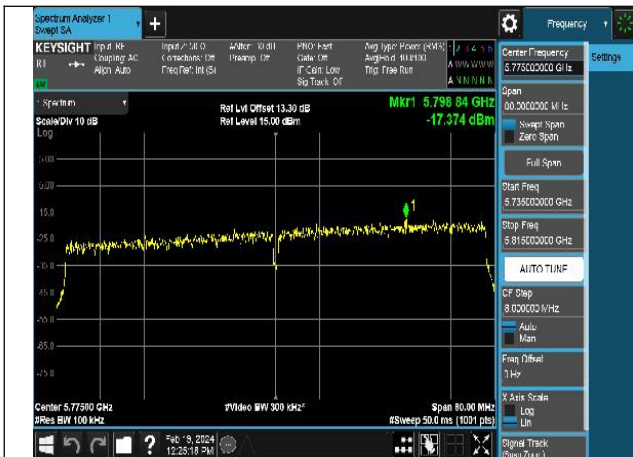


Mode:802.11ax HE40 Tone:484T Frequency:5755MHz
Ant:Chain1



Mode:802.11ax HE40 Tone:484T Frequency:5795MHz
Ant:Chain1

Test Mode: 802.11ac VHT80



Mode:802.11ac VHT80 Frequency:5775MHz
Ant:Chain0



Mode:802.11ac VHT80 Frequency:5775MHz
Ant:Chain1

Test Mode: 802.11ax HE80



Mode:802.11ax HE80 Tone:26T Frequency:5775MHz
Ant:Chain0



Mode:802.11ax HE80 Tone:26T Frequency:5775MHz
Ant:Chain1





MT7663

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5745	98.60%	0	Fig.1
802.11a	5745	98.63%	0	Fig.2
802.11n HT20	5745	98.57%	0	Fig.3
802.11n HT20	5745	98.57%	0	Fig.4
802.11ac VHT20	5745	98.36%	0	Fig.5
802.11ac VHT20	5745	98.40%	0	Fig.6
802.11n HT40	5755	98.09%	0	Fig.7
802.11n HT40	5755	97.98%	0.09	Fig.8
802.11ac VHT40	5755	98.21%	0	Fig.9
802.11ac VHT40	5755	98.07%	0	Fig.10
802.11ac VHT80	5775	97.95%	0.09	Fig.11
802.11ac VHT80	5775	98.05%	0	Fig.12

Note: Correction Factor=10*log (1/Duty Cycle)

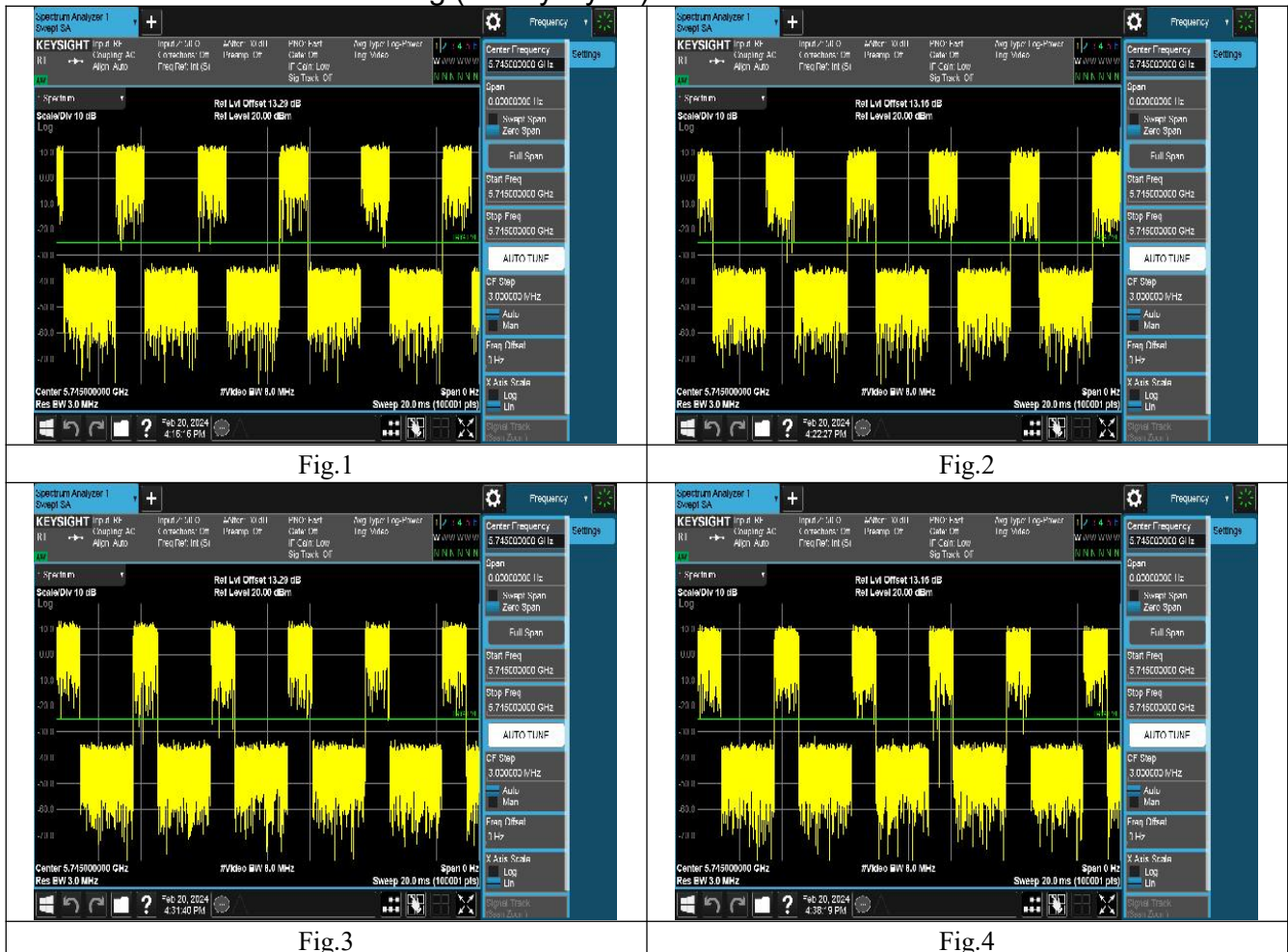




Fig.5



Fig.6



Fig.7

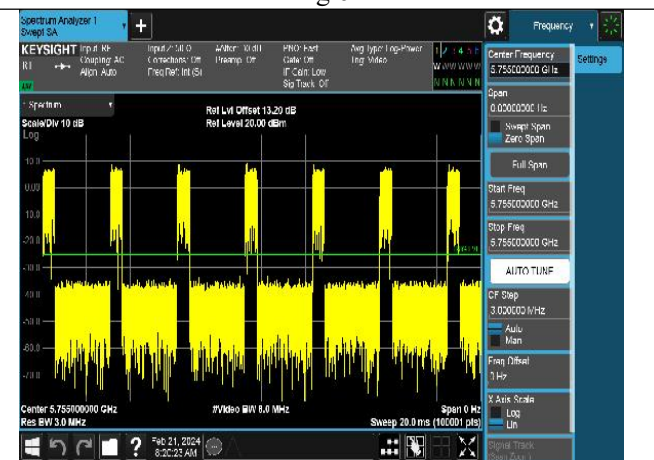


Fig.8



Fig.9

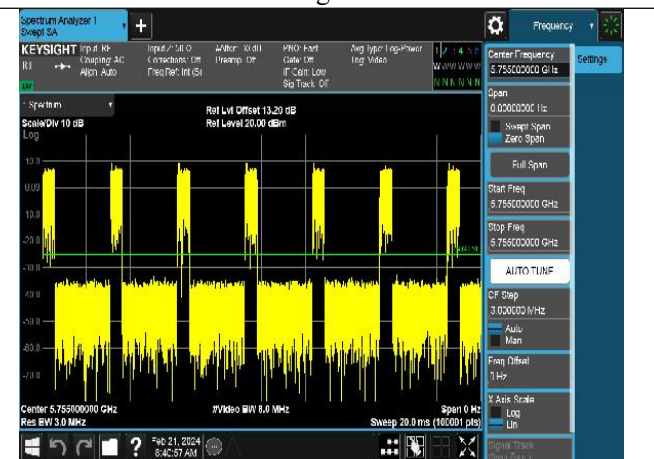


Fig.10



Fig.11



Fig.12

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5745	Chain0	7.93	7.33
802.11a	NA	5745	Chain1	6.12	6.82
802.11a	NA	5785	Chain0	8.16	7.56
802.11a	NA	5785	Chain1	7.14	7.84
802.11a	NA	5825	Chain0	9.83	9.23
802.11a	NA	5825	Chain1	7.81	8.51
802.11n HT20	NA	5745	Chain0	6.90	6.30
802.11n HT20	NA	5745	Chain1	5.12	5.82
802.11n HT20	NA	5745	MIMO	9.11	9.21
802.11n HT20	NA	5785	Chain0	7.02	6.42
802.11n HT20	NA	5785	Chain1	6.78	7.48
802.11n HT20	NA	5785	MIMO	9.91	10.01
802.11n HT20	NA	5825	Chain0	9.12	8.52
802.11n HT20	NA	5825	Chain1	7.94	8.64
802.11n HT20	NA	5825	MIMO	11.58	11.68
802.11ac VHT20	NA	5745	Chain0	6.64	6.04
802.11ac VHT20	NA	5745	Chain1	5.67	6.37
802.11ac VHT20	NA	5745	MIMO	9.19	9.29
802.11ac VHT20	NA	5785	Chain0	8.15	7.55
802.11ac VHT20	NA	5785	Chain1	6.78	7.48
802.11ac VHT20	NA	5785	MIMO	10.53	10.63
802.11ac VHT20	NA	5825	Chain0	9.64	9.04
802.11ac VHT20	NA	5825	Chain1	8.04	8.74
802.11ac VHT20	NA	5825	MIMO	11.92	12.02
802.11n HT40	NA	5755	Chain0	5.82	5.22
802.11n HT40	NA	5755	Chain1	3.66	4.36
802.11n HT40	NA	5755	MIMO	7.88	7.98
802.11n HT40	NA	5795	Chain0	6.28	5.68
802.11n HT40	NA	5795	Chain1	4.80	5.50
802.11n HT40	NA	5795	MIMO	8.61	8.71
802.11ac VHT40	NA	5755	Chain0	6.15	5.55
802.11ac VHT40	NA	5755	Chain1	3.05	3.75
802.11ac VHT40	NA	5755	MIMO	7.88	7.98
802.11ac VHT40	NA	5795	Chain0	5.99	5.39
802.11ac VHT40	NA	5795	Chain1	5.61	6.31
802.11ac VHT40	NA	5795	MIMO	8.81	8.91
802.11ac VHT80	NA	5775	Chain0	3.85	3.25
802.11ac VHT80	NA	5775	Chain1	2.15	2.85
802.11ac VHT80	NA	5775	MIMO	6.09	6.19

Emission Bandwidth

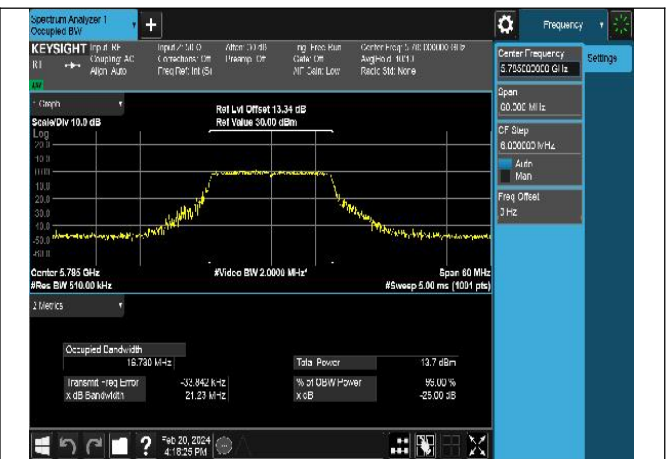
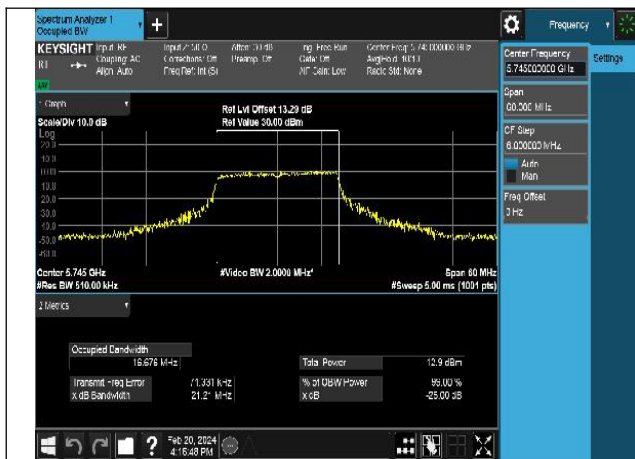
Offset 1.2dB = Attenuator + Temporary antenna connector loss + Cable loss

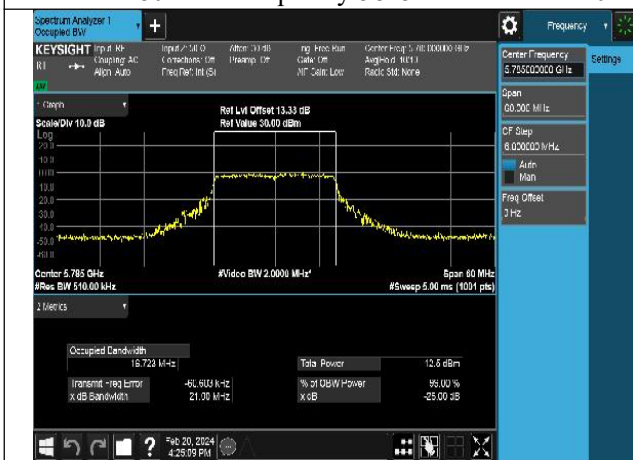
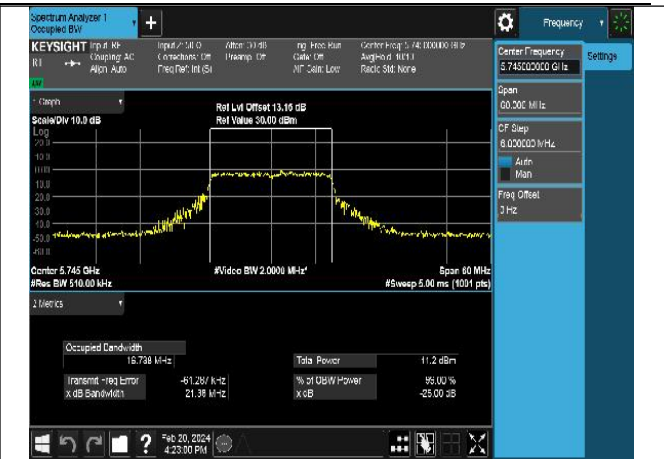
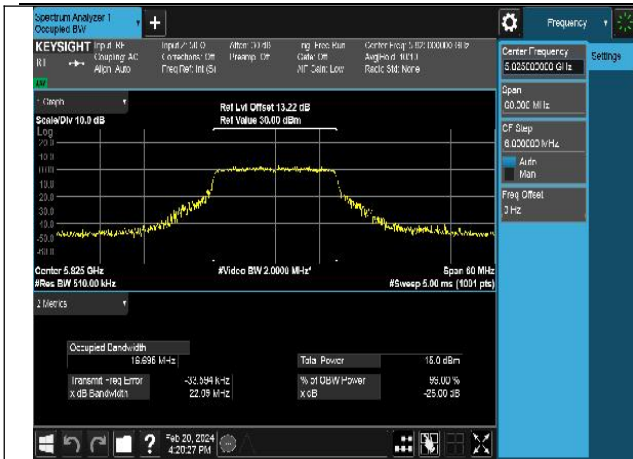
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5745MHz	5785MHz	5825MHz
802.11a	Chain0	21.21	21.23	22.09
802.11a	Chain1	21.38	21.00	20.94
802.11n HT20	Chain0	21.29	21.51	21.60
802.11n HT20	Chain1	22.96	21.96	22.58
802.11ac VHT20	Chain0	23.32	22.83	23.25
802.11ac VHT20	Chain1	22.37	22.77	22.80

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5755MHz	---	5795MHz
802.11n HT40	Chain0	42.70	---	42.56
802.11n HT40	Chain1	42.39	---	41.92
802.11ac VHT40	Chain0	42.73	---	42.41
802.11ac VHT40	Chain1	42.39	---	42.85

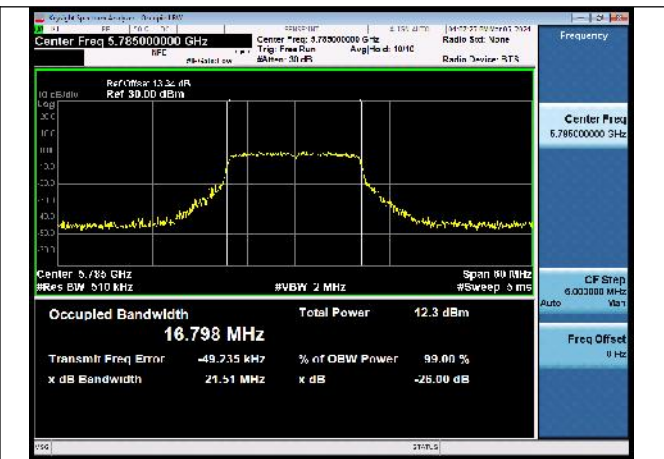
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5775MHz	---	---
802.11ac VHT80	Chain0	73.16	---	---
802.11ac VHT80	Chain1	72.65	---	---

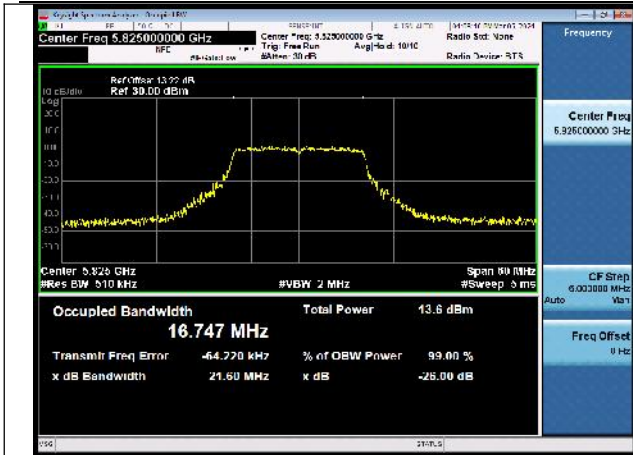
Test Mode: 802.11a





Test Mode: 802.11n HT20

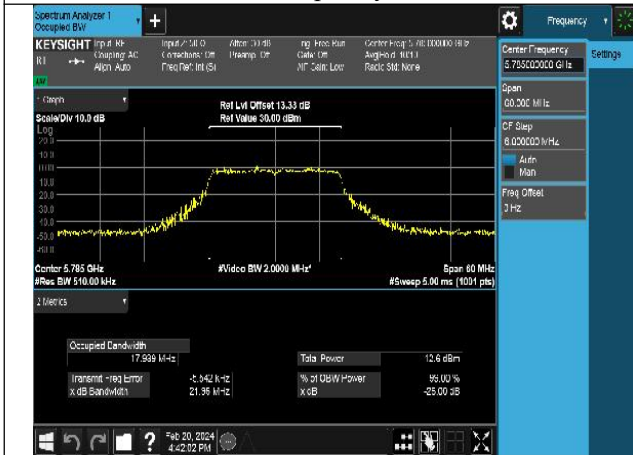




Mode:802.11n HT20 Frequency:5825MHz Ant:Chain0



Mode:802.11n HT20 Frequency:5745MHz Ant:Chain1

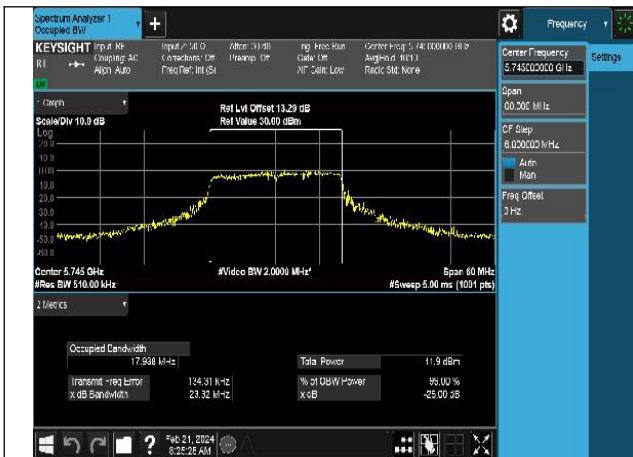


Mode:802.11n HT20 Frequency:5785MHz Ant:Chain1



Mode:802.11n HT20 Frequency:5825MHz Ant:Chain1

Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5745MHz
Ant:Chain0



Mode:802.11ac VHT20 Frequency:5785MHz
Ant:Chain0